

Abstract

A system and method of managing the energy stored in a single ignition coil of a distributor inductive ignition for an engine is described. The engine comprises a plurality of cylinders and the ignition coil having dwell control parameters. The engine is operated at different operating speeds. At least one engine performance parameter is determined. At least one dwell control parameter of the ignition coil in all of the different speeds is adjusted, the adjustment based at least in part upon an evaluation of the at least one engine performance parameter. The cylinders of the engine are fired. The stored energy of the ignition coil is altered to an optimum value between the firings of the engine cylinders, the altering being effected for each of the different speeds and as a result of the adjusting of the dwell control parameters.